

**EXPANDED ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE
IN AN ELECTRICAL MEDICAL DEVICE**

Abstract

5 An electro-medical system includes a porous covering that has a pore structure
to resist in vivo fibrotic tissue ingrowth. The system includes an electrode where the
porous covering includes a porous communication through the covering to the
electrode. The system includes a can that is covered with the porous covering. The
system also includes a can with a dielectric coating over the can, and the porous
10 covering allows for a hot can. The system also includes a lead with a dielectric
coating over the lead.

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